WHAT IS CLAIMED IS:

artifact.

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1	1. A method of blurring a digital image, comprising the steps of:
2	separating the image into noisy artifacts and less noisy artifacts;
3	averaging the less noisy artifacts over a spatial range for each pixel of the image; and
4	guiding the noisy artifacts by the less noisy artifacts in the step of averaging.
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1	2. The method of claim 1, wherein the step of guiding comprises the steps of:
2	determining a difference between a pixel at a centrum of the spatial range and
3	another pixel of the spatial range; and
T2	weighting the noisy artifact based on the differences.
1 1 2 2	3. The method of claim 2, wherein the steps of determining and weighting are each
☐ 2	performed with respect to each pixel of the image and the weighting correlates each
TU 13 3	spatial range of the less noisy artifacts with each corresponding range of the noisy
4	artifacts.
1	4. The method of claim 1, further comprising the step of:
2	deriving a representation noisy artifact as the average of the noisy artifacts; and
3	wherein the steps of guiding and weighting are performed with the representative noisy

1	5. A method of blurring, comprising the steps of:
2	deriving a noisy artifact;
3	selecting a less noisy artifact;
4	subdividing the noisy artifact into a plurality of windows;
5	subdividing each of the plurality of windows into a plurality of squares;
6	subdividing the less noisy artifact into a plurality of windows corresponding to the
7	plurality of windows of the noisy artifact;
3 8 9 9 5 10 6 10 6 10 6 10 6 10 6 10 6 10 6 10	subdividing each of the plurality of windows of the less noisy artifact into a
) [] 9	plurality of squares corresponding to the plurality of squares of the noisy artifact;
10 10	determining a difference between a square at a centrum of a window of the less
11	noisy artifact and another square within the window of the less noisy artifact;
<u>]</u> 1212	weighting a value for the square based on the difference;
그 [13]	summing all of the values for the square as so weighted;
- 14	multiplying a value for the square of the window of the noisy artifact by the resu
15	of the step of summing;
16	summing all of the results of the step of multiplying for each square of the
17	window of the noisy artifact; and
18	dividing the result of the step of summing all of the results, by the result of the
19	step of summing all of the values for the square.
1	6. The method of claim 5, further comprising the steps of:

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clamping the weighting step between minimum and maximum extremes, if the noisy artifact tends to be overly expressed in a result.

- 7. The method of claim 5, further comprising the step of clamping the step of weighting so that the weight for the value is in the range of 0 to 1.
- 8. The method of claim 5, wherein the noisy artifact and the less noisy artifact exhibit the color green; and further comprising the steps of:

varying the step of weighting by (a) 75% for the square of the window of the noisy artifact which is less than the square at the centrum of the window of the noisy artifact and (b) 25% for each square of the window of the noisy artifact which is not less than the square at the centrum of the window of the noisy artifact.

- 9. A method of blurring, comprising the step of guiding a noisy artifact by a less noisy artifact.
- 1 10. The method of claim 9, wherein the step of guiding comprises the step of limiting
 2 an expression of an overly expressed property of the noisy artifact.
 - 11. The method of claim 10, wherein the noisy artifact exhibits a property of the color green.

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1	12.	A method of blurring, comprising the step of weighting a value in a blur region.	
1	13.	The method of claim 12, wherein the step of weighting is affected by a less noisy	
2	artifact.		
1	14.	The method of claim 12, wherein the step of weighting is affected by an extent of	
2	a prop	erty of an artifact.	
1	15.	The method of claim 12, wherein the step of weighting is dictated by a noisy	
2	artifac	t and a less noisy artifact.	

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1	16.	A method of signal processing, comprising the steps of:
2		deriving a noisy artifact and a less noisy artifact from an analog signal; and
3		guiding the noisy artifact by the less noisy artifact.
1	17.	The method of claim 16, further comprising the step of averaging a region of the
2	noisy a	artifact; and wherein the step of guiding correlates the region of the noisy artifact
	with a	corresponding region of the less noisy artifact.
الية 11	18.	The method of claim 17, further comprising the step of:
(n (g2 (0		repeating the steps of deriving, guiding, and averaging with more than one noisy
	artifac	.t.
1	19.	The method of claim 17, further comprising the step of:
2		repeating the steps of deriving, guiding, and averaging with more than one less
3	noisy	artifact.
1	20.	The method of claim 17, further comprising the step of:
2		repeating the steps of deriving, guiding, and averaging with more than one noisy
3	artifac	et and more than one less noisy artifact.
1	21.	The method of claim 20, wherein at least one of the more than one noisy artifact
2	corres	sponds to at least one of the more than one noisy artifact, and vice versa.

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PATENT APPLICATION

2		a noisy artifact;
3		a less noisy artifact, wherein spatial locations of the less noisy artifact
4	corresp	onds to locations of the noisy artifact; and
5		a computer for guiding the noisy artifact by the less noisy artifact.
1	23.	The system of claim 22, wherein the computer weights the location of the noisy
2	artifac	t according to a differential at the corresponding location of the less noisy artifact.

A system for blurring, comprising:

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